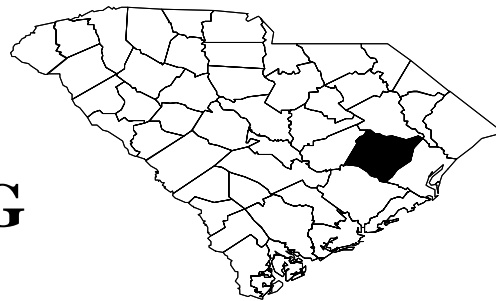




# Diabetes in WILLIAMSBURG County, 2005



Produced by the South Carolina Department of Health and Environmental Control

## Impact of Diabetes in the United States

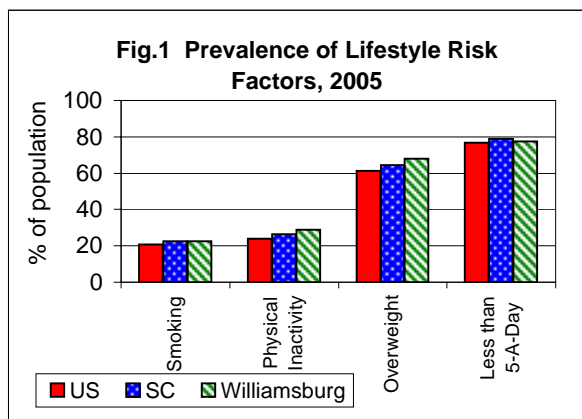
- Diabetes affects more than 23 million Americans and contributes to almost 234,000 deaths a year.
- Diabetes is becoming more common in the United States. From 1980 through 2007, the number of Americans with diabetes increased from 5.6 million to 17.9 million
- The direct and indirect costs of diabetes in the U.S. were nearly \$174 billion in 2007.
- 72,507 people died of diabetes in the U.S. in 2006.

## Diabetes in South Carolina

- Approximately 332,000 adults in South Carolinians are diagnosed with diabetes. African Americans have twice the prevalence than Whites.
- The total direct costs of hospitalizations and emergency room visits were over \$8.5 billion in 2005.
- Diabetes is the seventh leading cause of death in South Carolina, claiming 1,183 lives in 2005.

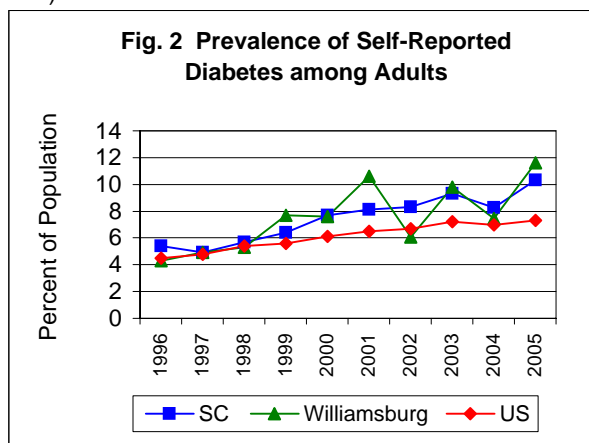
## Behavioral Risk Factors

- Major behavioral risk factors, such as overweight, physical inactivity and unhealthy diet, are partially responsible for development of type 2 diabetes (Fig 1).



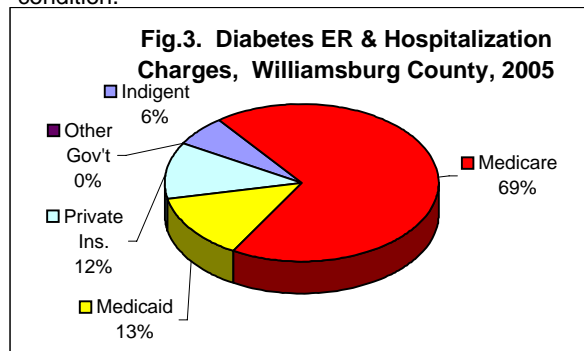
## Diabetes Prevalence

- An estimated 3053 adults (11.6% of adults) in Williamsburg County suffer annually from Diabetes (Fig 2).



## Hospital and Emergency Room Discharges

- In 2005, there were 140 hospitalizations for Diabetes in Williamsburg County for all ages.
- There were an additional 1061 hospital discharges with diabetes-related conditions in Williamsburg County.
- In 2005, there were 233 emergency room (ER) visits for diabetes as the primary diagnosis, among which 202 (87%) were by African-American patients.
- There were 1123 ER visits for diabetes as a related condition.



- Medicare paid for 69% of the ER and Hospitalization charges in Williamsburg County (Fig 3).

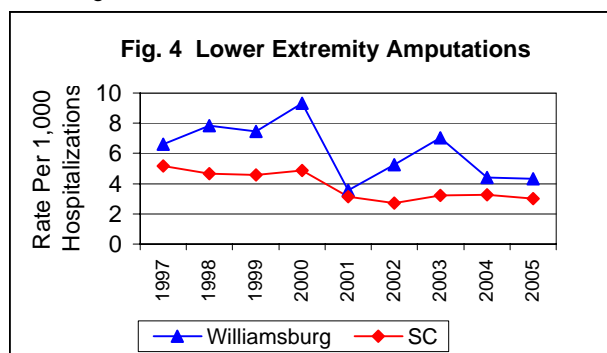
## Complications

- Almost all patients (97%) hospitalized in SC for diabetes had complications in 2005; 28% of hospitalizations in Williamsburg County (Table 1).
- In 2005, nearly three-quarters of people in SC with diabetes had hypertension, compared with only one-fourth of people without diabetes.

**Table 1. Hospitalizations for Diabetes Complications in Williamsburg County in 2005.**

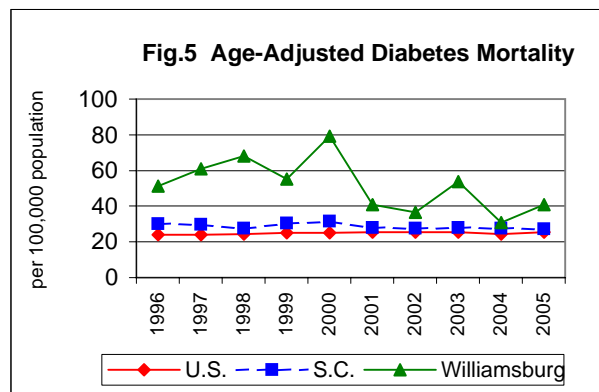
Diabetes Complication	Hospital Admissions	Percent of Diabetes Hospital Admissions	Total costs
Renal Failure	225	19%	\$6,131,400
Lower Extremity Amputation	22	2%	\$875,900
Keto-acidosis	25	2%	\$412,800
Retinopathy	60	5%	\$1,962,800

- In 2005, more than 60% of people with diabetes have high cholesterol.
- In 2005, the rates for lower extremity amputations among blacks in SC were four times the rates among whites.

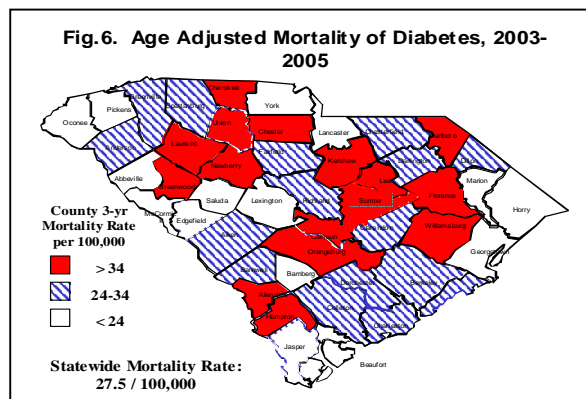


## Mortality

- Diabetes is the fifth leading cause of death in Williamsburg County.
- A total of 16 people in Williamsburg County died from diabetes in 2005.



- The Williamsburg County mortality rate was 40.8/100,000 in 2005, above the state average.
- Williamsburg County ranks #7 in diabetes mortality in South Carolina 2003-2005.



**For More Information about diabetes contact:**

Division of Diabetes Prevention and Control:

DHEC Bureau of Community Health and Chronic Disease Prevention

<http://www.dhec.sc.gov/health/chcdp/diabetes/index.htm>

(803) 545-4471

Diabetes Initiative of South Carolina

<http://www.musc.edu/diabetes/>

**Generated by: Office of Chronic Disease Epidemiology,  
Bureau of Community Health and Chronic Disease  
Prevention**

[http://www.scdhec.gov/hs/epidata/state\\_reports.htm](http://www.scdhec.gov/hs/epidata/state_reports.htm)



**Data Sources:**

For more details, please view the Technical Document below

[www.scdhec.gov/health/epidata/docs/EpiTechNotes.pdf](http://www.scdhec.gov/health/epidata/docs/EpiTechNotes.pdf)

**Hospital Discharges and ER Visits, contact:**

Office of Research and Statistics SC

Budget and Control Board

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